

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A thermostat mounting structure comprising:
a coolant channel formed in a casing;
an embedding hole formed in the casing across the coolant channel;
a thermostat including a cylindrical valve body with a surrounding wall including an entry aperture and an exit aperture;
a valving element for advancing and retracting for selectively opening and closing the entry aperture and the exit aperture;
said thermostat being inserted into the embedding hole so that both apertures face the coolant channel;
a cover member for covering the embedding hole via a circular rubber seal seated in a groove of the cover member and for fixing the thermostat; and
a positioning structure for positioning the thermostat to a side of the cover member,
wherein the positioning structure positions the thermostat by engagedly supporting an aperture end of the cylindrical valve body,
wherein the aperture end of the cylindrical valve body presses the circular rubber seal,
and
wherein the rubber seal is circular, has a rectangular section and includes projecting pieces formed along inner and outer peripheries of the rubber seal.

2. (Canceled).

3. (Currently Amended) The thermostat mounting structure according to claim 2 1, wherein the positioning structure positions the thermostat by inserting a joint into an inside periphery of an aperture end of the cylindrical valve body.

4. (Original) The thermostat mounting structure according to claim 3, wherein the joint is a circular rib; and

wherein the rib is inserted along an inner peripheral surface of an aperture end of the cylindrical valve body to position the thermostat.

5. (Currently Amended) The thermostat mounting structure according claim-2 1, wherein the positioning structure is formed on the cover member.

6. (Original) The thermostat mounting structure according claim 3, wherein the positioning structure is formed on the cover member.

7. (Original) The thermostat mounting structure according claim 4, wherein the positioning structure is formed on the cover member.

8. (Original) The thermostat mounting structure according claim 1, wherein the valve body includes a first end for mating with an interior surface of the embedding hole and a distal end for mating with said positioning structure for enabling said thermostat to be accurately positioned within said embedding hole.

9. (Original) The thermostat mounting structure according claim 8, and further including ribs extending from the first end of said valve body for forming a slot, an O-ring being positioned within said slot for dividing in two the outside periphery of the valve body.

10. (Currently Amended) A thermostat mounting structure comprising:
a coolant channel formed in a casing;
an embedding hole formed in the casing and extending across the coolant channel;
a thermostat including a valve body with a surrounding wall having an entry aperture and an exit aperture;
a valving element for advancing and retracting for selectively opening and closing the entry aperture and the exit aperture;

said thermostat being inserted into the embedding hole so that the entry aperture and the exit aperture face the coolant channel;

a cover member for covering the embedding hole and for fixing the thermostat to a side of the cover member for accurately positioning the thermostat within the embedding hole,

wherein the positioning structure positions the thermostat by engagedly supporting an aperture end of the cylindrical valve body,

wherein the aperture end of the cylindrical valve body presses the circular rubber seal,
and

wherein the rubber seal is circular, has a rectangular section and includes projecting pieces formed along inner and outer peripheries of the rubber seal.

11. (Canceled).

12. (Currently Amended) The thermostat mounting structure according to claim ~~11~~ 10, wherein the positioning structure positions the thermostat by inserting a joint into an inside periphery of an aperture end of the cylindrical valve body.

13. (Original) The thermostat mounting structure according to claim 12, wherein the joint is a circular rib; and wherein the rib is inserted along an inner peripheral surface of an aperture end of the cylindrical valve body to position the thermostat.

14. (Currently Amended) The thermostat mounting structure according claim ~~11~~ 10, wherein the positioning structure is formed on the cover member.

15. (Original) The thermostat mounting structure according claim 12, wherein the positioning structure is formed on the cover member.

16. (Original) The thermostat mounting structure according claim 13, wherein the positioning structure is formed on the cover member.

17. (Original) The thermostat mounting structure according claim 10, wherein the valve body includes a first end for mating with an interior surface of the embedding hole and a distal end for mating with said positioning structure for enabling said thermostat to be accurately positioned within said embedding hole.

18. (Original) The thermostat mounting structure according claim 17, and further including ribs extending from the first end of said valve body for forming a slot, an O-ring being positioned within said slot for dividing in two the outside periphery of the valve body.